

ABSTRACT OF THE DISCLOSURE**THE USE OF A LENS ARRAY TO INCREASE THE CONTRAST RATIO
PRODUCED BY A LCoS MICRODISPLAY**

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A lens array is placed over a cover glass of a pixel based LCoS display device. The lens array is situated so that an individual lens in the array corresponds to an individual pixel in the display device. Each lens collects light and/or reflections from a high contrast portion of its corresponding

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pixel and forwards it to a viewing area. The lens array reduces effects of low contrast portions of the pixels (particularly, for example, perimeters of adjacent pixels having relatively large differences in electrical field strengths).

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